

## 84569, A NOVEL HUMAN MAP KINASE FAMILY MEMBER AND USES THEREFOR

### Abstract

The present invention relates to methods and compositions for the diagnosis and treatment of metabolic disorders, including, but not limited to, obesity, diabetes, overweight, anorexia, or cachexia. The invention provides isolated nucleic acid molecules, designated 84569 nucleic acid molecules, which encode a novel MAP kinase family member. The invention also provides antisense nucleic acid molecules, recombinant expression vectors containing 84569 nucleic acid molecules, host cells into which the expression vectors have been introduced, and nonhuman transgenic animals in which an 84569 gene has been introduced or disrupted. The invention still further provides isolated 84569 proteins, fusion proteins, antigenic peptides and anti-84569 antibodies. Methods of use of the provided 84569 compositions for screening, diagnostic and therapeutic methods in connection with metabolic disorders are also disclosed.